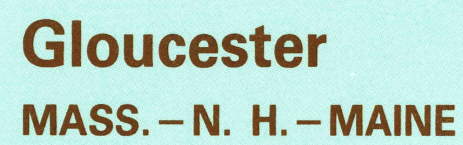
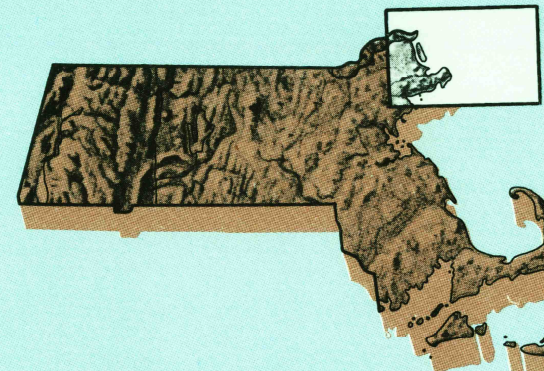


GLOUCESTER, MASSACHUSETTS-NEW HAMPSHIRE-MAINE

30 X 60 MINUTE SERIES (TOPOGRAPHIC)

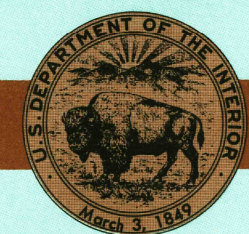


1:100 000-scale *metric*
topographic map



**30 X 60 MINUTE QUADRANGLE
SHOWING**

- **Contours and elevations in meters**
- **Highways, roads and other manmade structures**
- **Water features**
- **Woodland areas**
- **Geographic names**



GEOLOGICAL SURVEY

1984

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1966-1979
Planimetry revised from aerial photographs taken 1977 and other source data
Revised information field checked. Map edited 1984

Projection and 10 000-meter grid, zone 19: Universal Transverse Mercator 25 000-foot grid ticks based on Massachusetts coordinate system, mainline zone, and New Hampshire coordinate system
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 43 meters west

Offshore protraction survey data, shown in red, compiled by the Minerals Management Service. Heavy lines indicate limits of MMS Outer Continental Shelf Official Protraction Diagram dated October 31, 1974. The protraction on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale MMS Official Protraction Diagrams available from the Minerals Management Service

There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

DECLINATION DIAGRAM

The diagram shows a vertical line for Grid North (GN) and a line tilted to the left for Magnetic North (MN). The angle between them is 10°. A horizontal line from the intersection to the MN line is labeled 293 KILOS. A horizontal line from the intersection to the GN line is labeled 18 KILOS.

1	2	3
4		5
6	7	8

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

UTM grid convergence (GNM and 1004 magnetic declination MNM) at center of map Diagram is approximate

1 Concord
2 Kittery
4 Lowell
6 Boston
7 Provincetown
8

FOR SALE BY U. S. GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street; trail	
Route marker: Interstate, U. S. State	
Railroad, standard gage, narrow gage	
Railroad; overpass; underpass	
Tunnel: road; railroad	
Built up area; locality; elevation	
Airport; landing field; landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U. S. public lands survey; range, township; section	
Range, township; section line: protracted	
Power transmission line; pipeline	
Dam, dam with lock	
Cemetery; building	
Windsail; water wheel; spring	
Mine shaft; site of cave; mine, quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Rains; cliff dwelling	
Distorted surface: strip mine, lava; sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index; intermediate	
Stream, lake; perennial; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request.

RETURN TO:
NMD HISTORICAL MAP ARCHIVES
USGS NATIONAL CENTER, MS-522
RESTON, VA 22092

1984